WINDSTER™

www.windsterhood.com

User's Manual

RA7730SS/RA77B30SS
RA7736SS/RA77B36SS
RA7742SS/RA77B42SS
RA7748SS/RA77B48SS

WALL MOUNT SERIES

NOTE: Ductless operation is supported as an additional option. For ductless operation, please refer to the ductless kit.

For residential and indoor use only

C SP® US

Please read this operation manual thoroughly before using your range hood. Store it in a safe location for when you need to reference it in the future.

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2 SAFETY INFORMATION

SAFETY INFORMATION

⚠ TO REDUCE THE RISK OF A FIRE, ELECTRICAL SHOCK, AND/OR INJURY OBSERVE THE FOLLOWING:

- Unit is intended for indoor residential use only. If you should have questions, contact the manufacturer at the address or telephone number listed in the warranty.
- In case the unit should need to be cleaned or repaired, switch power off at service panel and lock service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- Installation work and electrical wiring must be done by a qualified technician in accordance with all applicable codes and standards, including fire-rated construction.
- Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- Because the unit is made of stainless steel, it may contain sharp edges. Be careful to avoid cuts and abrasions by wearing protective gloves during installation and cleaning.
- Before you begin to cut or drill into the wall, verify that there is no electrical wiring or any other hidden electrical components.
- Ducted fans must always be vented to the outdoors.
- The unit must be properly grounded and installed at the recommended height before beginning operation.
- To reduce the risk of fire, use only metal ductwork.

⚠ CAUTION: FOR GENERAL VENTILATING USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS AND VAPORS

⚠ TO REDUCE THE RISK OF FIRE, OR ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID-STATE SPEED CONTROL DEVICE.

- Regardless of heat level, never leave any surface materials unattended while operating an open flame.
- Always turn hood ON when cooking at high heat or when flambéing food (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambé).
- Depending on amount of usage, clean ventilating fans and filters frequently. Grease should not be allowed to accumulate on fan or filter. For instructions on the how to clean, see maintenance page.
- Never leave surface units unattended at high settings. Boil-overs may cause smoking and greasy spillovers may ignite as result. Heat oils slowly on low or medium settings.
- Use proper pan size. Always use cookware appropriate for the size of the surface element.

⚠ TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:

- SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL 911.
- NEVER PICK UP A FLAMING PAN —Doing so may result in serious burns and possibly spread the fire.
- DO NOT USE WATER – Grease fire must be extinguished before further action may be taken. Using water will agitate the grease and may cause a violent steam explosion.
- Use a Fire Extinguisher ONLY if:
    - ❖ You know you have a Class ABC extinguisher, and you already know how to operate it.
    - ❖ The fire is small and contained in the area where it started.
    - ❖ The fire department is being called.
    - ❖ You are able to safely control the fire with your back to an open exit. * Based on “Kitchen Fire safety Tips” published by NFPA.

4 CONTENT CHECKLIST

CONTENT CHECKLIST

1. CONTENTS INCLUDED

a. (1) RA77 / RA77B series (30”, 36”, 42” or 48”) hood assembly
b. (1) Lower duct cover (14-1/4”)
c. (1) Upper duct cover (14-1/4”)
d. (1) User’s manual
e. (1) 6” – 7” transition collar
f. (2) Aluminum filters / Baffle filters (RA77 / RA77B 30” model only)
g. (3) Aluminum filters / Baffle filters (RA77 / RA77B 36” / 42” model only)
h. (4) Aluminum filters / Baffle filters (RA77 / RA77B 48” model only)
i. (1) Screw packet

2. CONTENTS NOT INCLUDED

a. RA77EXTDC (Extension duct cover)
b. RA77DK (Ductless kit)
c. RA77CFMR (CFM reducer)
d. 6” / 7” round solid metal duct or flexible aluminum duct

(ACCESSORIES WILL FIT BOTH RA77 & RA77B SERIES)

3. TOOLS REQUIRED (NOT INCLUDED)

a. Safety gloves
b. Safety glasses
c. Electric drill w/ starter bit
d. Utility knife
e. Spirit level
f. Measuring tape
g. Writing instrument (pen, marker, pencil)
h. Aluminum tape

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Fig. 1a

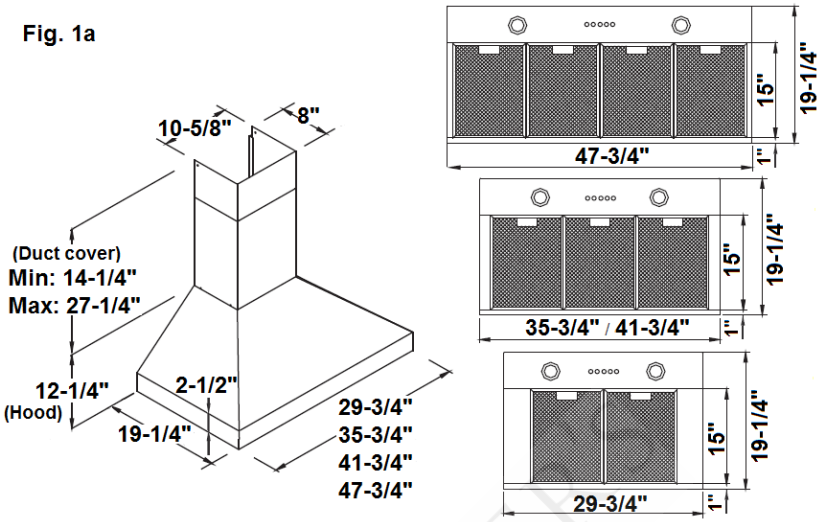
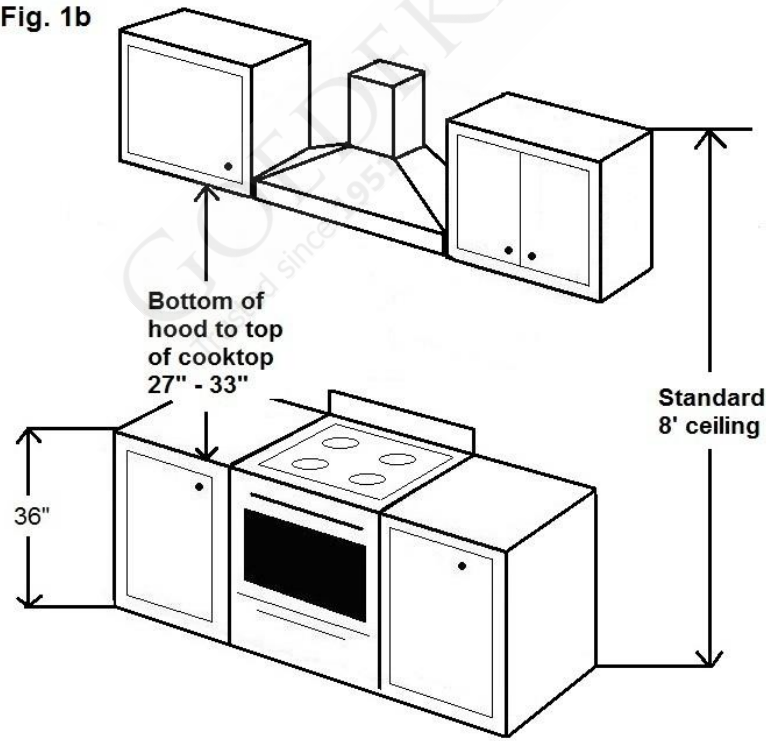

10-5/8"
8"
(Duct cover)
Min: 14-1/4"
Max: 27-1/4"
12-1/4"
(Hood)
2-1/2"
19-1/4"
29-3/4"
35-3/4"
41-3/4"
47-3/4"
15"
19-1/4"
47-3/4"
1"
15"
19-1/4"
35-3/4" / 41-3/4"
1"
15"
19-1/4"
29-3/4"
1"

Fig. 1b


Bottom of
hood to top
of cooktop
27" - 33"
Standard
8' ceiling
36"

6 PREPARATION

PREPARATION

1. BEFORE YOU START

****BE SURE YOUR UNIT WILL FIT YOUR CEILING HEIGHT****

a. Be sure you have all the content of your purchase and required tools for this installation.
b. Installation may take at least 1 to 2 hours from start to finish.
c. Plan to use as few elbows or turns as possible for more efficient air flow.
d. Collar size may need to be increased if utilizing a long duct run.
e. At least 12” of vertical duct is required before any turn.
f. Do not try to install this unit by yourself, SERIOUS INJURY MAY OCCUR.
g. At least two people are needed for installation.
h. Hiring a certified installer and electrician is recommended.

2. LOCATION

a. Determine the exact location where you want to install the range hood.
b. Distance between cooktop and range hood should be between 27”-33”.
c. Range hood should be mounted at stated measurements to ensure performance and lifespan of electrical components.
d. Correctly measure the dimension needed to install the unit.

3. HOOD

a. Inspect for signs of defect or damage. (ie. scratches, dents, loose seams, etc.)
b. Before mounting, power up the unit to make sure it is working properly.
c. Remove the protective file on the aluminum filters.

Use Fig. 1a on page 5 for unit measurements

Use Fig. 1b on page 5 for general measurements

INSTALLATION

1. WALL MOUNT INSTALLATION

a. Make sure all preparation steps are completed.

b. Determine your ceiling height to see if you need an extension.

   i. Hood unit height = **12-1/4"**

   ii. Duct cover height = **14-1/4"** (lower) + **27-1/4"** (upper)

   iii. Minimum height (duct cover only) = **14-1/4"**

   iv. Maximum height (duct cover only) = **14-1/4"**

   v. (OPTIONAL) Extension duct cover height = **46-3/4"**

   vi. Maximum height (duct cover with extension only) = **60"**

c. Determine the location you want to install the range hood. **(Fig. 2a)**

d. Prepare back wall frame with cross wood support.

e. Mount the unit onto wall with mounting screws (not included)

f. Adjust the duct cover mounting bracket to your desired height.

g. Use a spirit level to ensure the balance of the hood is true.

h. (OPTIONAL) Use the conversion collar for 7" ducting.

i. Connect a 6" or 7" ducting to the collar of the hood.

j. Connect the exhaust piping to the outlet of the unit. **(Fig. 2b)**

k. Finish off by sealing the connection point with aluminum tape.

l. Slide the duct cover into the unit and adjust its height. **(Fig. 2c)**

m. Secure it with the (6) duct cover screws provided. **(Fig. 2d)**

2. EXTENSION DUCT COVER INSTALLATION (OPTIONAL)

a. Replace the original upper duct cover piece with the extension.

b. Determine the desired height to mount the duct cover.

c. REPEAT "STEP F – M" from WALL MOUNT INSTALLATION section.

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8 INSTALLATION

3. COLD WEATHER INSTALLATION (OPTIONAL)

a. Check with your local building codes to see if a CFM reducer is an acceptable alternative to make-up air.

b. Remove the RA14LCFMR (CFM reducer) and inspect for any sign of defect or damage. (ie. Cracks, broken flips)

c. AFTER COMPLETING Step A – G of Section 1 WALL MOUNT INSTALLATION

d. Place the CFM reducer onto the outlet of the unit and seal the connection point with aluminum tape. (Be sure it is secure with no opening or gaps)

e. REPEAT "STEP F – M" from WALL MOUNT INSTALLATION section.

4. DUCTLESS INSTALLATION (OPTIONAL)

a. AFTER COMPLETING Step A – G of Section 1 WALL MOUNT INSTALLATION

b. Remove the RA14LDK (ductless kit) and inspect for any sign of defect or damage. (ie. dents, broken inlet)

c. Mount the ductless kit at the top of the ceiling using the screws provided.

d. Make sure the duct cover vent opening aligns with the air diverter. **(Fig. 2e)**

e. Connect a 6" or 7" ducting to the collar of the hood.

f. Connect the exhaust pipe to the outlet of the unit. **(Fig. 2b)**

g. Connect the exhaust pipe to the air diverter collar.

h. REPEAT "STEP K – M" from WALL MOUNT INSTALLATION section.

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Installation diagram available on next page

INSTALLATION DIAGRAM

Fig. 2a

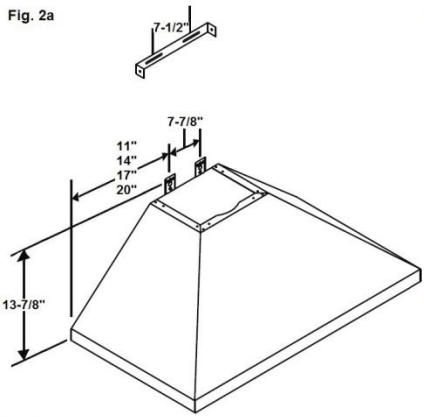


Fig. 2b

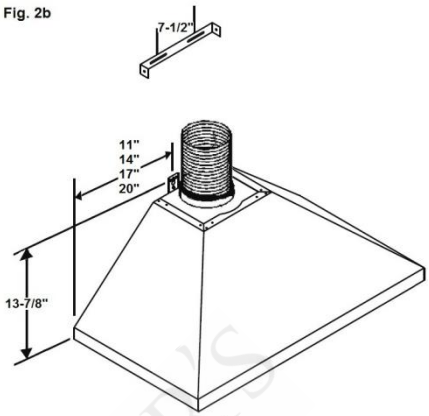


Fig. 2c

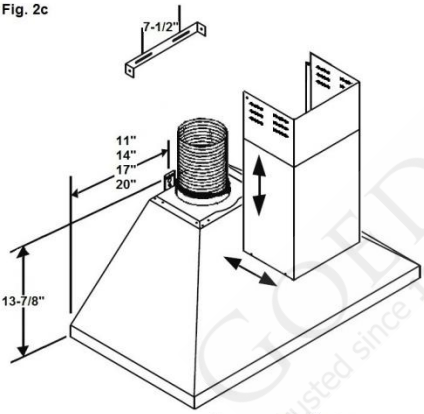


Fig. 2d

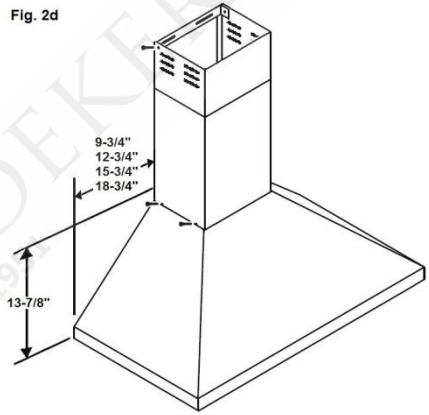
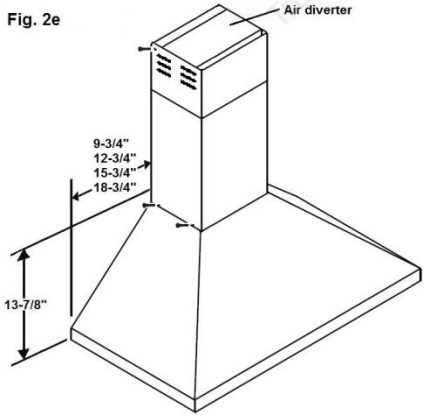


Fig. 2e



10 OPERATION & FEATURES

OPERATION & FEATURES

1. EASY ACCESS CONTROL SWITCH (from left to right)

a. Button 1 – Power ON / OFF
b. Button 2 – Low speed
c. Button 3 – Medium speed
d. Button 4 – High speed
e. Button 5 – Lights ON/OFF

2. ALUMINUM FILTERS

a. (2) 14-7/8” x 10-5/8” aluminum filters (30” model only)
b. (3) 14-7/8” x 10-5/8” aluminum filters (36” / 42” model only)
c. (4) 14-7/8” x 10-5/8” aluminum filters (48” model only)

3. BAFFLE FILTERS

a. (2) 14-7/8” x 10-5/8” baffle filters (30” model only)
b. (3) 14-7/8” x 10-5/8” baffle filters (36” / 42” model only)
c. (4) 14-7/8” x 10-5/8” baffle filters (48” model only)

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4. CHARCOAL FILTERS

a. Insert the charcoal filters on each side of the motor on top of the white protective grill as shown below. **(Fig. 3a)**

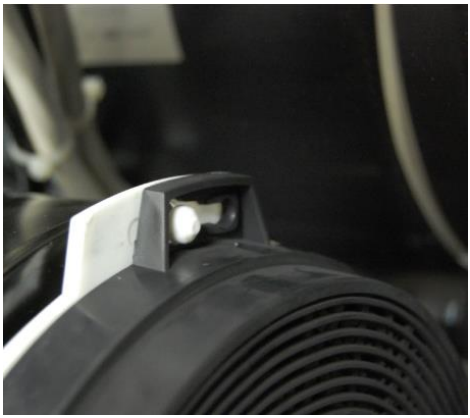


Fig. 3a

b. Rotate the charcoal filters in a counter-clockwise motion until you hear a click. **(Fig. 3b)**

Fig. 3b

c. Installation is complete after the charcoal filters are secured in place.

12 CLEANING & MAINTENANCE

CLEANING & MAINTENANCE

WARNING!!!

⚠ **To prevent the possibility of a fire and explosion, do not use flammable liquids or solvents to clean the unit or any of its parts.**

⚠ **Check to make sure all power sources are disconnected before servicing or taking unit apart for cleaning.**

1. RANGE HOOD

a. Use household cleaner to remove grease or dirt from the outer shell of the unit. Spray on wiping cloth or sponge and wipe in the direction of the grain to avoid scratching the unit. (DO NOT SPRAY DIRECTLY ONTO UNIT)
b. Clean the inner working of the unit periodically to avoid grease build-up.
c. Do not open control switch panel while the hood is connected to power.
d. Use stainless steel cleaner to bring back the luster of the unit.

2. ALUMINUM FILTERS / BAFFLE FILTERS

a. Remove filters from unit and place in warm soapy water.
b. Clean each filter regularly to maintain efficient suction power.
c. Do not drop filters.
d. Let it soak thoroughly and then clean it with a wiping cloth or sponge.
e. Filters may also be cleaned using residential dishwasher.

3. CHARCOAL FILTERS

DO NOT WASH CHARCOAL FILTERS! IT WILL DISSOLVE!!

a. When to replace a charcoal filter will depend on:
    i. How often you cook.
    ii. How long you cook.
    iii. Types of food you cook.

TROUBLESHOOTING

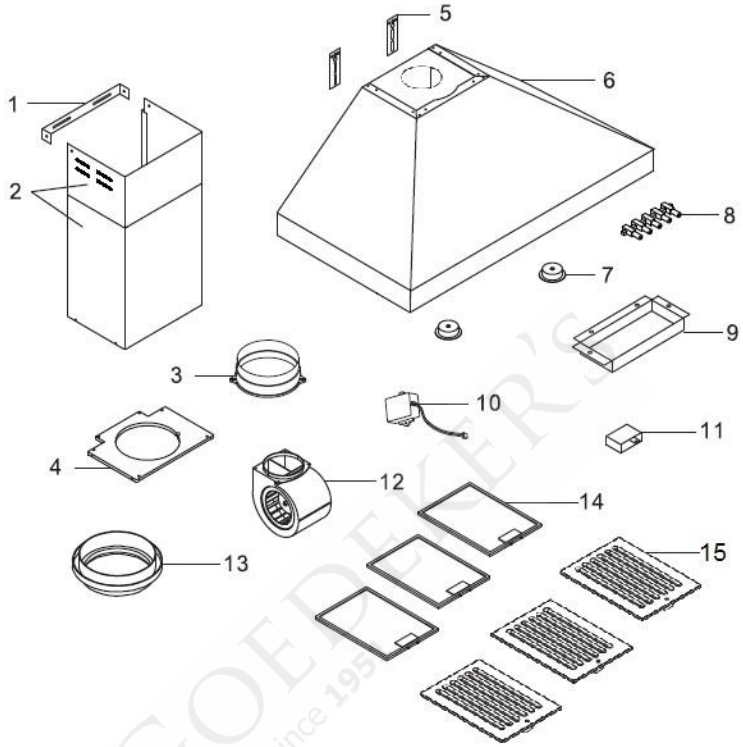
WARNING!!!

⚠ **Check to make sure all power sources are disconnected before starting any troubleshooting. Safety gloves and glasses should be worn when working on the unit. Serious injury or death may occur if safety precautions are not followed.**

RA77/RA77B Series	
Light issue (All not turning on)	1. LED lights may need to be changed. 2. New Transformer replacement is required.
Halogen/LED light issue	1. Check all wiring to and from the unit. 2. LED may require new fixture or transformer.
Light issue (One light not turning on)	1. Replace defective fixture.
Speed indicator not showing speed levels	1. Complete control switch replacement is required.
Burnt/melted control switch	1. Complete Control switch replacement is required.
Speed levels not working correctly	1. Check all wiring to and from the unit. 2. Complete control switch replacement is required.
Unit lacking smoke intake	1. Check ducting for foreign object. 2. Ensure the ducting is properly sealed. 3. Clean filters to increase airflow.
Unit showing no power indication	1. Make sure the power source is working properly. 2. All wiring is connected.
Unit making humming noise	1. Replace defective capacitor with new one.

14 PART LIST / REPLACEMENT

PART LIST / REPLACEMENT



#	Description	#	Description
1	Duct cover bracket	9	Control support panel
2	Duct cover	10	Transformer
3	6” collar	11	Capacitor
4	Duct cover panel	12	Squirrel cage motor
5	Hood bracket	13	6” – 7” transition collar
6	Hood body assembly	14	Aluminum filters (RA77 model only)
7	LED lights	15	Baffle filters (RA77B model only)
8	Control switch		

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WARRANTY / CONTACT US

LIMITED WARRANTY

Windster Hoods Inc. warrants its product against defects in material or workmanship as follows:

Labor: For a period of one (1) year from the date of purchase, if the product is determined to be defective, Windster will attempt to repair the product, at its option, at no charge. After the warranty period, customer must pay for all labor charges. During the "labor" warranty period there will be no charge for any work done on the purchased model. (All labor repairs are limited only to the installation of electrical components.)

Parts: In addition, Windster will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of two (2) years. After the warranty period, you must pay for all parts costs. During the "parts" warranty period, there will be no charge for parts

You must provide the serial number of your unit for any replacement parts during the warranty period. This warranty applies to products purchased and serviced in the United States only.

For products purchased in Canada, please contact your local retailer where you purchased the unit for service.

* Windster Hoods, Inc. will attempt to repair malfunctioning units prior to shipping a replacement. In the case that a unit cannot be repaired and must be replaced, Windster Hoods, Inc. will not be held liable for removal / installation fees of the malfunctioning / replacement unit.

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16 WARRANTY / CONTACT US

WHAT IS NOT COVERED BY MANUFACTURE WARRANTY

1. Damages resulting from any of the following:
    a. Improper installation or maintenance
    b. Any repair, modification, alteration or adjustment not authorized by the manufacturer or an authorized service dealer
    c. Misuse and/or accidents
    d. Incorrect electric current, voltage or power supply
    e. Improper setting of any control (Pressing multiple selections at the same time)
    f. Improper chemical cleaning (commercial or industrial cleaning agents)

2. Products purchased for use in a commercial or industrial setting (such as in a hotel, office, restaurant, or other business)
3. Damage resulting from natural disasters (earthquake, flood, storm, etc.)
4. Aluminum Filters, Baffle Filters, Charcoal Filters, and Oil Cup Filters
5. Light Bulbs

CONTACT US

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